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ERTS-1 IMAGERY

(E73-10701)

(Utah Univ.)

Structural Trends Mineralized Zones

19. Security Classif. (of this report)

TRENDS IDENTIFIED

FRACTURE GERY IN U E7.3 107.01. CR-133014

for any use made thereof." TECHNICAL REPORT STANDARD TITLE PAGE 1. Report No. 2. Government Accession No. 3. Recipient's Catalog No. 4. Title and Subtitle 5. Report Date June 24, 1973 Fracture Trends Identified by ERTS-1 6. Performing Organization Code Imagery in Utah and Nevada 7. Author(s) 8. Performing Organization Report No. M. L. Jensen, M. Smith and R. J. Rogers 9. Performing Organization Name and Address 10. Work Unit No. Department of Geol. and Geophys. Science 11. Contract or Grant No. University of Utah NAS5-21883 MMC 307 Salt Lake City, Utah 84112 13. Type of Report and Period Covered 12 Sponsoring Agency Name and Address National Aeronautics and Space Administration Goddard Space Flight Center 14. Sponsoring Agency Code Greenbelt, Md. 20771 15. Supplementary Notes Author identified significant results. 16. Abstract Major structural trends of Utah and Nevada have been mapped on the 1:1,000,000 scale. The trends are being compared to mapped faults and structures; blocks with offset patterns, unrelated to present geomorphology, suggest crustal fragments that have moved along now dormant fault systems. Those fracture trends in bedrock and Qal that exhibit mineralization are being assayed for mercury with the hope of discovering "blind" mineralized zones that are not exposed on the surface. False color transparencies are being employed in the investigation of the Colorado Plateau. Color, by enhancing variations in vegetation type and density, facilitates the identification of drainage patterns, seepage, lineaments, lithographic units and plateaus and buttes. Areas are being investigated further by field studies and geochemical methods. 17. Key Words (& lected by Author(s)) 18. Distribution Statement ERTS-1 Imagery

20. Security Classif. (of this page)

21. No. of Pages

22. Price\*

Figure 2. Technical Report Standard Title Page

<sup>•</sup> For sale by the Clearinghouse for Federal Scientific and Technical Information, Springfield, Virginia 22151.

MINERAL EXPLORATION AND FRACTURE TRENDS IN UTAH AND NEVADA, BY ERTS-1 IMAGERY

M. L. Jensen, GSFC ID No. 113; M. Smith and R. J. Rogers University of Utah, Salt Lake City, Utah 84112

## Objectives of the Contract

The major endeavor of this ERTS-1 Contract is the application of the imagery to mineral exploration. This is being done by locating fracture trends on the imagery that are associated with mineralization. Those trends that extend into alluvial or post-ore cover are tested along the extrapolated trend with a soil-gas collector that measures the amount of mercury contained within the soil-gas. Mercury at the surface appears to be an indicator of mineralization at depth.

#### 2.1 Work Performed

Structural trends as they appear on the ERTS-1 Image have been traced on a transparent overlay sheet (1:1,000,000 scale) of the Utah-Nevada area. An arbitrary length of about one centimeter (ten kilometers on the ground) has been chosen as a minimum length of trends. Their selection has been based on:

- 1. Obvious displacement of structures.
- 2. Continuity or persistence of trend across structures.
- 3. Linear bearings (excluding man-made features).
- 4. Line-up of outcrop patterns, drainage, erosional features and vegetation.

## 2.1.2 Significant Results

Structures clearly traceable through bed rock are considered most reliable. Continuity, however, is frequently traceable through ranges and across adjoining sedimentary basins where changes in drainage, erosion pattern, soil color or vegetation suggest that the basin sediments are extremely sensitive to underlying structures. Many large and continuous trends, too smeared by erosion to be visible on the ground or from aircraft photos, become quite evident at the scale of the

ERTS-1 images. One of these "lineations" is the Towanta Lineament" across the Uinta Mountains (Howard Ritzma, personal communication, 1973).

Photos taken on different traverses vary considerably in contrast due to sun elevation and smog-haze distribution, and in the lineations which show up due to sun azimuth. The best structural trend analysis, therefore depends on a comparison of repetative photos of each area.

The study was made with little regard for surface geology. Nevertheless, there appears to be little correlation between the more persistent trends and present topography and rock type. Some trend directions appear to cross all geologic boundaries; others stop or change direction as they cross a boundary or strong crosstrend; still others change orientation gradually, forming an arcuate track across hundreds of miles as if a once-straight trend had been off-set by numerous younger faults. In the region west of the Wasatch line, the patterns become more contorted, suggesting strike-slip movement in several directions or possible rotational movement within the Great Basin.

The trends have been retraced to separate and uni-directional sets. These are now being related to surface geology, geophysical studies, volcanic and intrusive centers and areas of mineralization.

#### 2.1.3 Efforts to Achieve Reliability

The reliability of inferences drawn from ERTS-1 imagery can only be established by field work and close comparison with various forms of ground truth. Images with snow cover exhibit extraordinary features such as highways and even city streets where snow has been removed.

#### 2.1.4 Publications

No publication of data or results took place during the past period.

#### 2.1.5 Conformance to Work Schedule

The work is about on schedule with the Hg soil-gas program now under way during the summer months.

#### 2.1.6 Work Progress

The progress of work is deemed satisfactory during the past period. It is hoped that the Hg soil-gas program will increase significantly during the next three months.

#### 2.2 Work Planned for Next Reporting Period

One of the more promising exploration techniques that is now being developed for application to the ERTS-1 Contract is the collection of soil-gas that almost invariably contains mercury. Simple techniques have been experimented with that enable the collection and analysis of the mercury contained in the soil-gas.

An enclosed tripod or plastic hemisphere is placed on the ground at the specific collection site with the base buried several decimeters in the ground. A battery-powered fan draws the soil-gas from the ground. It passes through a small orifice in the enclosed collecting instrument and through one or more layers of the silver screen. The mercury in the soil-gas forms an amalgam with the silver. The amount of mercury collected is determined by an atomic absorbtion instrument where the mercury is vaporized by heating the silver screen in a small furnace.

With only a few minutes of operation of the fan, adequate samples of mercury are obtained for analyses. The basic factors that indicate the usefulness of this exploration technique are as follows:

- Mercury is associated as a trace element with the majority of mineral deposits.
- 2. The high vapor pressure of mercury allows it to continually "bleed" from a mineralized zone, even from considerable depths, where it can be trapped at the surface with the mercury soil-gas collecting

apparatus.

3. Mercury can be detected with atomic absorbtion instruments in concentrations of less than 0.1 ppb.

The average abundance of mercury in many rocks is roughly 50-100 ppb and more in mineralized zones.

The use of this technique for tracing mineralized zones into pediment areas provides an exploration technique for prospecting for "blind" mineral deposits in limited zones indicated by the mineralized fracture trends detected in ERTS-1 imagery.

Important structural trends which appear to be related to mineralized areas have been located as precisely as possible on the ground. Geochemical surveys will be made at right angles across some of these trends, testing for mercury (Hg) in soil-gas, to check the possibility that the trend represents a deep fracture through the crust, providing a possible escapeway, now or in the geologic past for comparatively volatile elements. If the initial traverse shows positive, further traverses will be made across the extrapolated structural trends into post-ore alluvial covered areas to test the potential of covered mineralized zones. The first such trends to be studied are the trends extending from the Uinta Mountains to Park City, Little Cottonwood Canyon and perhaps extending across Salt Lake Valley into the Oquirrh, Stansbury and Cedar Ranges.

### 2.2.2 Recommendations for Changes in Operations

No basic changes in operation are contemplated at the present time.

#### 3.1 Problems

One problem at present is that we receive imagery from every other pass. It is apparent that we are operating, therefore, at 50% effectiveness. Fortunately, we have requested all imagery of less than 50% cloud cover, which we do not have and fully expect that the additional imagery will permit more significant results.

## 3.2 Adequacy of Funds

The project funding is adequate.

## 3.3 Changes in Standing Order Forms

A request has been made to provide imagery of every pass and standing orders have been made for all imagery not received.

## 3.4 Changes in Personnel

Ms. Martha Smith has been employed as a Graduate Assistant to study structural trends and their relationship to Basin and Range structure.

Mr. Robert J. Rogers has been employed as a Graduate Assistant who will specialize in the application of both black and white and color imagery to the Colorado Plateau.

## 3.5 Data Request Forms

Abundant B & W requests have been made.

## 3.6 Image Descriptors

Standard Image Descriptor forms are supplied herewith for all imagery received since the last Type I Progress Report.

(See Instructions on Eack)

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DATE <u>2-13-73</u>	· · · · · · · · · · · · · · · · · · ·	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1198-17594-M			·	Complete cloud cover	
			·	·	
	,				

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
THINGIPAE INVESTIGATOR		ID
GS.ºC	UN 113	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1198-18001-M				Almost complete cloud cover.
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	II. B. Jettsett	10
GSFC	UN 113	<u></u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.				
(Include band and product)			DESCRIPTORS		
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1233 - 17544 - M		•		Clouds 90%	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PHODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	L
ORGANIZATION	University of Utah	,

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
(INCLUDE BAND AND PRODUCT)			DESCRIPTORS	
1193-17321-M		,		Lake Powell
•				Snow
				(Excellent accentuation of structure)
				Roads
·				Comb Wash
•				Waterpocket Fold
	·			Mountains Henry Navajo
•				
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u></u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			05000107000
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
,				
1013-17303-M				Uintah Mountains
		}		Uintah Basin
				Braided stream of Green River
				Cloud cover over Uintahs
• • .				Flaming Gorge Reservoir
				Hogbacks (north)
			,	
				,
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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		DESCRIPTORS
	İ	
1	, ·	San Rafael Swell (dome)
)		Book Cliffs
		Green River (braided)
		Plateau dissection
	`	Relief good
		Roan Plateau
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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DATE 8-12-72 (4-	20_73)	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY (	JSED DESCRIPTORS.	
(Inclúde band and product)			DESCRIPTORS
,			
·		·	
1051 - 17425 - M			0 Cloud Cover
			Cedar City
			Excellent relief
			Joint structures (37° 15') (113° 00')
			Colorado Plateau
			Hurricane Fault
			Cinder Cone (volcanoes) (37° 10') (113° 15')
			Waterpocket Fold
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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DATE 8- 10-72 (4-)	20-73)	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FRÉQUENT	LY USED DE	SCRIPTORS.	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1018 - 18001 - M				5% Cloud cover
				Flat relief
				Sierra Nevada
				Owens Valley
				Bishop <sup>*</sup>
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT —ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

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DATE 12-27-72 (4-20	-/3)	D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	DESCRIPTORS
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
•				
1157 - 17321 - M				0 Cloud cover
				Lake Powell
		į		Colorado Plateau
·	:			Henry Mountains
,				Dark print
				Snow on peaks
			·	Comb Ridge Monocline
				Abajo Mountains
•				Colorado River
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	occopinyons.
(Inclúde band and product)				DESCRIPTORS
,				
1163 - 18060 - M				0 Cloud cover
	.]			Snow on some peaks
•		}		dark print
·	,			relief fair
				Walker Lake
				Several volcanic edifices (118° 55') (38° 15')
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WHITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS*	
(Inclúde band and product)				DESCRIPTORS
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1199 - 18062 - M				80% Cloud cover
				Walker Lake
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1					
1124 - 17490 - M				5% Cloud cover	
				Excellent relief	
		·		Snow on peaks	
	,			Schell Creek	
•			ļ	Excellent structured	
•				details.	
				McGill Smelter	
			j 1	Ruth porphyry Copper Pit	
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS.	
(Inclúde band and product)				DESCRIPTORS
,				
1053 - 17531 - M				0 cloud Cover
				NE Nevada
				Flat relief
•	,			Significant linaments in low relief areas
				Tr basalt areas
`				East Humbolt Range with Cirque Lakes
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

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DATE 9-13-72 (4-20-1	/3)	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
PHINCIPAL INVESTIGATION		10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
ı					
1052 - 17472 - m				0 cloud cover	
				Great Salt Lake and Railway causeway	
•				Salt Flats	
•			1	Relief Good	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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DATE 12-27-72 (4-20-	73)	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FRÉQUENT	LY USED DE	SCRIPTORS*		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1157 - 17305 - м				15% cloud cover	
				Some snow	
	,			Contrails	
				Flaming Gorge Reservoir	
				Varied structural feature east of Dam.	
				Green River	
				Wasatch Formation	
· .				Plateau Edges (cliffs)	
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(Sea Instructions on Back)

DATE 12-27-73	•	NDPF USE ONLY
DATE		0
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	EQUENTLY USED DESCRIPTORS.		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
,				
1157 - 17312 - M				0 Cloud Cover
	,			Uintah Basin (Complete)
				Structured folds on SE flank of Uintah Mtn
				N 80° structural lina- ment in SW portion, image.
•				·
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
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1032 - 17370 - M				No Snow
				Lake Powell
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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DATE 3-8-73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	
ORGANIZATION	University of Utah	<u>.</u>

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.				
(INCLUDE BAND AND PRODUCT)	UDE BAND AND PRODUCT)			DESCRIPTORS	
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1228 - 17265 - M				Almost total cloud cover	
				Some Fog	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( \( \sigma' \)) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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DATE 3-8-73		NDPF L'SE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	FREQUENTLY USED DESCRIPTORS*			
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS	
1228 - 17260 - M				Grand Hogbacks	
				50% Fog and Cloud	
	,			Good relief accentuated by snow	
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				·	
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		,			

\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

(See Instructions on Back)

19 2		NDPF USE ONLY
DATE 12 - 30 - 73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1160 - 17492 - M		·		O cloud cover Dark lithology to south	
				N-S trends into alluviar streams structures relief good to fair	
		•			
	·				
		·		·	
				•	

•FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT—ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

CODE 563

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

01372		NDPF USE ONLY
DATE 9-13-72		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1052 - 17481 - M				O cloud cover relief good
				Ely Ruth Smelters
				Copper pits aligned N45° Not E-W. Excellent trends in Confusion Range.
				Contacton Mange.
·		·		·
		·		

•FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

11 2/ 72		NOPF USE ONLY
DATE11-24-72		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
7	University of Utah	•

PRODUCT ID	FREQUENTLY US	ED DESCRIPTORS*	
(INCLUDE BAND AND PRODUCT)			DESCRIPTORS
1124 - 17484 - M			5% Cloud cover
	* · · · · · · · · · · · · · · · · · · ·		Salt Flats
			Evaporation tanks
			Western Utah
		`	Fish Springs Range
			House Range
•			Snow on Peaks
			Cedar Mountain
			Gold Hill
			Deep Creek Range
•			
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771
301-982-5406

GSFC 37-2 (7/72)

ORGANIZATION \_\_\_

(See Instructions on Back)

		NOPE USE ONLY
DATE 8-13-72		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1052 - 17484 - M				No Cloud cover
				Cedar City
				Hurricane fault
				Escalante Desert
,				Ruth porphyry Copper Pits
				Pioche
,				Delamar River
			_	Sheeprock Range
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

NDPF USER SERVICES MAIL TO CODE 563 BLDG 23 ROOM E413 NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

DATE1-1-73		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(Include band and product)				DESCRIPTORS	
ı					
1162 - 17593 - M		i i		0 cloud cover	
				Columbian Plateau note N-S breaks in Th	
	·			Good relief	
j				Snow	
•					
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

ADC 6 611 7 6 91 061	University of Utah	
GSFC	UN 113	
INMOURL MACCHINATON		1D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
DATE 1-1-73		0
		NDPF USE ONLY
		1

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		SCRIPTORS*		
(Include band and product)				DESCRIPTORS	
ı					
1162 - 18004 - M				0 cloud cover	
				Bishop	
				Sierra Nevada	
				Snow on peaks	
,				Owen's Valley	
	}			Park Range	
		<u> </u> 			
(					
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

1 0 70		NDPF USE ONLY
DATE1-2-73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	io
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	ODUCT ID FREQUENTLY USED DESCRIPTORS.			
(Inclúde Band and Product)				DESCRIPTORS
(				
1163 - 18051 - M	1	1		60% Cloud and Fog cover
				Snow on peaks
				Relief good
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NOPF USER SERVICES

**CODE 563** 

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

0.10.70		NDPF USE ONLY
DATE8-10-73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
OPCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
•	1				
1018 - 17594 - M				5% Cloud cover	
•	ļ			Flat relief	
			·	Playas	
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPE USE ONLY
DATE1-1-73		0
	M I langer	N
PRINCIPAL INVESTIGATOR	n, b. Jensen	10
GSFC	UN 113	
ODC AND PATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1162 - 18002 - M				0 Cloud cover	
	į			High Relief	
				Snow on Mountains	
•	·			Volcanic Peak N38°4Ö' W117°25'	
				Tonopah	
				Austin	
(		}		US 50 Highway	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES CODE 563

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

DATE 8-10-72		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	(O
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	PRODUCT ID FREQUENTLY USED DESCRIPTORS*			
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1018 - 17592 - M				0 Cloud cover
				Flat Relief -
				Antler Peak Range
· ·	,		į	Ruby Mountains
				I-80 Highway
	}			
	}			
	}			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT LID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPE USE ONLY
DATE		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	·

PRODUCT ID (INCLÚDE BAND AND PRODUCT)	FREQUENTLY USED DESCRIPTORS*			
				DESCRIPTORS
,				
1162 - 17595 - M				0 Cloud cover
				Cord relief
				Snow on Mountains
	·	ļ	!	Major trends (N-S)
,				Antler Peak Range
·				I-80 Highway
			·	Cedar Mountain district
				Ruby Mountains
				Copper Canyon and Copper Basin
,				
				·
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE 8-10-72		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	10
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.		
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS	
1					
1018 - 17585 - M		Ì		25% Cloud cover	
				Flat relief	
				Erosional fractures	
				Small reservoirs	
		į			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT —ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			
(Inclúde band and product)				DESCRIPTORS
ı				
1161 - 17550 - M				25% Cloud cover
				Park (low sun angle)
		[		Timber Mountain
	3			Calderas
,				ı
				•
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT TID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771
301-982-5406

GSFC 37-2 (7/72)

(See Instructions on Back)

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DATE9-12-72		0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
OPCANIZATION	University of Utah	•

PRODUCT ID	FREQUENT	TLY USED DE	SCRIPTORS*	0500000
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
ı				
.051 - 17420 - M		1		0 Cloud cover
				Bacterial spiral in Uta Lake
				Salt Lake City
·				Provo
	į			Wasatch Range
	. ]			Fumaroles Butte
,	}	ļ		
•	. ]			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPE USE ONLY
DATE <u>2-2-73</u>		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	·

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			DESCRIPTORS
(Inclúde band and product)				DESCRIPTORS
1				
1194 - 17371 - M		·		Uintah Basin
		·		Uintah Mountains
				Wasatch Mountains
	,			Utah Lake
				Highways (clear, lack snow)
				Cities (very clear as they lack snow)
				Faults
				Lakes (frozen, snow covered)
		•		
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NDPF USE ONLY
DATE1-2-73		D
PRINCIPAL INVESTIGATOR _	M. I. Jengen	N
PRINCIPAL INVESTIGATOR _	III D. OCHOCII	10
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
(				
1163 - 18063 - M				Sierra Nevada Mtns.
				White Mountains
				Snow
•	,			Bishop
•				Owens Valley
				Sheer structures cutting volcanics
				0 Cloud
		) }.		
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

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BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

ORGANIZATION \_\_\_\_\_

		NDPF USE ONLY
DATE 2/13/73 12-27-	72	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENT	TLY USED DES	CRIPTORS*	00000
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1157-17314-M				No cloud cover
· .	1		j	San Rafael Swell
				Low sun angle = 22°
•				Relief good
•		, i	. ]	Book Cliffs
				Roan Plateau
				Colorado and Green Rivers (well delineated)
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

,		NOPF USE ONLY
DATE 8-23-72 (4-23-73	3)	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID			05000117000	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
			ł	
1031 - 17311 - M				Plateau dissection and relief good.
	ł			Green River
· .	,			Colorado River
j.			1	San Rafael Swell
•				Book Cliffs
				Roan Plateau
(				Excellent fracture patter (parallel) (East side
				(1
		[		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES CODE 563 BLDG 23 ROOM E413 NASA GSFC GREENBELT, MD. 20771

(See Instructions on Back)

10 20 70		NDPF USE ONLY
DATE		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID		FREQUENTLY USED DESCRIPTORS*			
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1160 - 17485 - M				0 Cloud Cover	
1100 = 17405 = 11				· ·	
				Good relief	
				Excellent trends or lineage (Confusion Range).	
•				Sevier Lake	
				House Range intrusive	
	1		٠	(Crescent west front)	
			,		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NDPF USE ONLY
DATE9-13-72		Ο
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		OCCOOLBYONG	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1052 - 17475 - M		•	•	0 Cloud cover
•				relief flat
				Bonneville Salt Flats
				Solar evaporation ponds
•				I-80 highway
				Fish Springs
				Deep Creek Range
				•
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE 12 - 30- 72		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)		·		DESCRIPTORS
1160 - 17483 - M				0 cloud cover
•				Great Salt Lake Resort
				Wendover
				Solar evaporation ponds
•		,		Fish Springs & fracture
				Shoreline of Lake Bonne- ville
				excellent trends
				·
		•		,
		<u> </u>		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

**CODE 563** 

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

301-982-5406

ORGANIZATION \_\_

(See Instructions on Back)

DATE11-24-72		NDPF USE ONLY
DATE		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	ID
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1114 - 17481-M				Cloud cover @ 50%	
				Great Salt Lake	
				Salt Lake Resort	
				Solar evaporation ponds	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Beck)

DATE8-25-72		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	·

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS*	DESCRIPTORS	
(INCLUDE BAND AND PRODUCT)				DESCRIFTORS	
•					
1033 - 17421 - M		{		@ 50% Cloud cover	
				Relief poor and flat	
			1	Great Salt Lake and Utah	
•				Lake	
		,		·	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

•	NOPF USE CRILY
	D
M. L. Jensen	N
UN 113	L
University of Utah	
	UN 113

PRODUCT ID	FREQUENTLY USED DESCRIPTORS			
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
			}	
1015 - 17415 - M	.)ı		·	Great Salt Lake
•			Ì	Utah Lake
				Wasatch Range
•				Solar evaporation ponds
•				Salt Lake City (good)
	İ		} 	Excellent detail
	1			0 Cloud cover
	ł			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

CODE 563

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

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DATE 8-25-72		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
OPCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		CRIPTORS.		
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1033 - 17414 - M				15% Cloud cover	
				Great Salt Lake	
	·			Band 5 shows railway causeway	
,				Bear Lake	
				Freasatet Range	
				Excellent structures	
				Solar evaporation ponds	
				Tailings (Kennecott Copper)	
v				Excellent detail of residential and farm areas North of SLC.	
				Roads well displayed on Band 7.	
• 1					
				•	
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			}		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

0.0.70		NOPF USE ONLY
DATE <u>2-3-73</u>		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1195 - 17423 - M				@60% Cloud cover
•				Relief accentuated by sno
				Roads well displayed by snow removal
				Excellent structures
				Anticline at N 42° 25' W 110° 30'. Wyoming.
		·		
			•	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

ORGANIZATION \_\_\_\_\_

		NDPF USE ONLY
DATE <u>9-11-72</u>		D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
		10
GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		CRIPTORS*	05000107000
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1050 - 17371 - M				1% Cloud cover
		·	!	Lake Powell and Glen Canyon Dam
·				Waterpocket Fold
				Rivers:
,				Paria Sevier, Colorado
·				Relief - flat
				Bryce Canyon (fault control)
				·
·				
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	·			
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		·		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

**CODE 563** 

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

0.6.75		NOPF USE ONLY
DATE 8-6-72		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
	-			
1014 - 17370 - M				Cloud 0 <1%
,				Glen Canyon Dam
				Lake Powell
				Plateaus
				Buttes
·				Mesas
				Waterpocket Fold
			·	Oxbow Lake
•	-			
·				,
	·			
				·

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NDPF LSE ONLY
DATE3-1-73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
		10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS*	DESCRIPTORS
1159-17431-M	-			Clouds
1109-17431-M				
			·	Sedimentary Basins
				Alluvial Fans
				Farm Lands
		i r		
•		!		
•				
•				
,				
	.]			

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

WAIL TO	NDPF USER SERVICES
	CODE 563
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	NASA GSFC
	GREENBELT, MD. 20771
•	301-982-5406

(See Instructions on Back)

0.00.70		NDPF USE ONLY
DATE <u>2-28-73</u>		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DES	SCRIPTORS*	DESCRIPTORS
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1164-18114-M				95% cloud
		·		
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

DATE _ 2-28-73		NDPF USE ONLY
DATE		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	L
ORGANIZATION	University of Utah	,

PRODUCT ID	FREQUENTLY USED DESCRIPTORS®			05000107000	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1164-18105 <sup>-</sup> -M				75% cloud	
				basin-range structure	
•		•		deserts	
,				volcanic terrain	
				_	
		[			
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		<u>{</u>		•	
		'			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE2/28/73		NDPF USE ONLY
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1164-18112-M				   Walker Lake	
		·		Basin-Range Structures	
				Desert	
				Fault (normal, strilce slip)	
•		Ì		Farm areas (irrigated)	
•	}				
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

0.12.72		NOPF USE ONLY
DATE 2-13-73		D
PRINCIPAL INVESTIGATOR _	M I. Jangen	N
PHINCIPAL INVESTIGATOR _	III D. Jengen	10
GSFC	UN 113	<u> </u>
	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		SCRIPTORS*		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1197 - 17542 - M		·		0 cloud cover	
				Ruby Mountains & East Humbolt	
				I-80 Highway	
,				Excellent Relief	
•				Snow on ranges	
				Graben (SE portion of image) Schell Creek Range	
		,		vange	
		•			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

DATE	March 20, 1973	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	 N
GSFC	UN 113	<u></u>
ODC AND ZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1193-17312-M			·	Mtns, Uintah
•				Basin, Uintah River, Green & Colorado Major lineaments
				through Uintah Precambrian quartzit Dendritic drainage
				Hogbacks around Uintah Mtns formed by Paleo- zoic and Mesozoic fm;
				zore and nesozore im
			·	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

# ERTS IMAGE DESCRIPTOR FORM (See Instructions on Back)

University of Utah

ORGANIZATION \_\_\_\_\_

DATE Marc	n 13, 1973	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			_
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
			{	
1194-17364 M				Compandia (apillaria)
1194-17304 H				Contrails (still air) Bear Lake
				Fault on East side
				Wasatch Mountains
·		j		Snow cover
·				Mountain
		1		Folded formations Hogback
				Monoclinal Valley
				Parallel Drainage
•	]	[		Basin (Green River)
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATEMa	rch 20, 1973	NDPF USE ONLY
FRINCIPAL INVESTIGATOR	M. L. Jensen	N
SSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1193~17315 M				San Rafael Swell Snow Cover	
				Snow cover Snow accentuates topo- graphic difference Long lineage from Price area to SE. Bearing N 60° W	
		·	·	*Not to earthquake center in Price area Quakes are result of coal mining and are not tectonic.	
·				·	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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-2 (7/72)

DRGANIZATION \_\_\_\_

(See Instructions on Back)

GSFC	UN 113	
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
DATE 2/13/73		NOPF USE ONLY

PRODUCT ID	FREQUENT	LY USED DES	CRIPTORS*		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
			·		
1197-17551-M				AEC Nevada Test Site	
				Mountain timber	
				Calderas (several)	
				Thrust faults	
				Major linament trends- numerous	
				Snow partial	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

DATE	2-13-73	NOPF USE ONLY
PRIN	CIPAL INVESTIGATORM. L. Jensen	N
GSFC	UN 113	
OPG	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS	
1193-17310-M			·	Plateau (Colorado)	
•				Rim Rock	
				Snow (fairly complete)	
				Vegetation (accentuates formational outcrops	
•					
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FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO	NDPF USER SERVICES
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•	BLDG 23 ROOM E413
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(See Instructions on Back)

0.7.70			NOPF USE ONLY
DATE 8-7-72		<del></del>	D
PRINCIPAL INVESTIGATOR	M. L. Jensen		ID
GSFC	UN 113		
ORGANIZATION	University of Utah	·	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1015 - 17424 - M				0 Cloud cover
• .				Cedar City
·				Flat relief
	`]			Plateau
				Volcanic flour
				Snow accentuates exceller joint patterns
				(38° 20') (113° 00) trend N-S.
•		ŀ		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

DATEFebru	eary 13, 1973	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1194-17373-M				Dome (San Rafael Swell) Drainage Dendritic Meanders
				Lake, Utah Plateaus Buttes Mountains Henry Highways Accentuated without
				snow cover
				,

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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	201 002 5406

(See Instructions on Back)

DATE	March 20, 1973	NOPF USE ONLY
PRINCIPAL INVESTIGATO	on M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		OCCORINTORS	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
E 1192 17254 M				Clouds 20% Snow Drainage Dendritic
				Along fracture zones Formations, accentuated by vegetation Folds Cliffs, headwind erosion Resistant formations
				from Plateaus and Buttes
				•

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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**CODE 563** 

BLDG 23 ROOM E413

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GREENBELT, MD. 20771

(See Instructions on Back)

		NORTH ON V
DATE	March 20, 1973	NOPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	···
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		
(INCLUDE BAND AND PRODUCT)		DESCRIPTORS	
1192-17260-M		Cloud cover 40% Ground fog Plateaus Headwind erosion	
		,	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO	NDPF USER SERVICES
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(See Instructions on Back)

•		NDPF USE ONLY
DATE2-28-73		 D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	 N
GSFC	UN 113	 L
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1159-17424-M				90% cloud
				Salt Lake
· .				Basin-Range Mountains
				J
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				, , , , , , , , , , , , , , , , , , ,
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•FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPF USE ONLY
DATE 12-29-72		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	FREQUENTLY USED DESC		FREQUENTLY USED DESCRIPTORS*  OFSCRIPTORS		DESCRIPTORS
(INCLUDE BAND AND PRODUCT)	<del> </del>	ļ	ļ			
1159-17422-M				>75% cloud		
				Utah Lake		
				Wasatch Front		
				Basin-range structure		
•		,	}			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
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(See Instructions on Brck)

DATE		NOPF USE ONLY
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT 10			SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1197-1754€-₩				
1197-17540-2				60% cloud cover
•				Bonneville Salt Flats
				Mountains
•				Playas
				•
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
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(See Instructions on Back)

0.10.70		NOPF USE ONLY
DATE		D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
000001747101	University of Utah	

PRODUCT ID	FREQUENT	FREQUENTLY USED DESCRIPTORS*		
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1197-17545-M				Playas
				Mountains
				Contrails
•	1			Snow
•		Ì		Fog
				Croplands
				Pediment areas on SW corner
•				Excellent pediments
				Open pit copper mine at Ruth
				McGill Smelter & Tailings
				Good for field check
· :				
•				
				·

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE <u>2-13-73</u>		NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1197-17542-M				Roads (I-80 from Wells to Carlin)
				Mountains (Ruby Mtns.)
				Lakes (frozen)
				Cirques (Ruby Mtns.)
				Snow
				Fields (accentuated by snow)
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES CODE 563

BLDG 23 ROOM E413 NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

		NOPF USE ONLY
DATE2-13-73		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	•

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
CLUDE BAND AND PRODUCT)		DESCRIPTORS		
1198-18010-M				Fog (ground)
·				Clouds (more than 80% with fog)
		,		Sierra Range front marke by differing cloud coverage.
			·	
			·	·
	<u> </u>			
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\*FC? DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT NES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771
301-982-5406

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(See Instructions on Back)

		NDPF USE ONLY
DATE (3-13-73) 6-14	-73	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	· · · · · · · · · · · · · · · · · · ·
ORGANIZATION	University of Utah	

PRODUCT ID (INCLUDE DATA AND PRODUCT)			DESCRIPTORS	
1233 - 17544 - M			Clouds 90%	
	·			
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NOPF USER SERVICES
CODE 563
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(See Instructions on Back)

DATE 8-7-72 (4-20-73	)	NOPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS*	DESCRIPTORS
(INCLUDE BAND AND PRODUCT)		ļ		DESCRIPTIONS
1015 - 17413 - M				0 cloud cover
				Relief Good
	,			Bear Lake fault and structures east of lake
				E-W faults across N-S structures in Wyoming.
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

**CODE 563** 

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

DATE2-13-73		NDPF USE ONLY
DATE		0
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID			
(INCLUDE BAND AND PRODUCT)			DESCRIPTORS
1198-18003-M	1		Almost complete cloud
		l	coverage.
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	1 }	1	

\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES

**CODE 563** 

BLDG 23 ROOM E413

**NASA GSFC** 

GREENBELT, MD. 20771

(Sea Instructions on Back)

DATE	March 20, 1973	_	NOPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	-   N	D
GSFC	UN 113		
ORGANIZATION	University of Utah	-	

PI.ODUCT ID	FREQUENT	LY USED DES	CRIPTORS*	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1192-17263-М				Clouds 10% Drainage, Erosion Plateau
				lineaments Grand Hogback (excellent feature)
				. <del>.</del>
	;			
			,	
	·	0		
	,			

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771
301-992-5406

GSFC 37-2 (7/72)

(See Instructions on Back)

DATEMax	ch 13, 1973	NOPF USE GNLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

MINELOUS BAND AND PRODUCTY		PRODUCT ID FREQUENTLY USED DESCRIPTORS®		
	<del>                                     </del>			DESCRIPTORS
1194-17380-M				Lake Powell Contrails (still air) Snow Plateaus
				Dendritic drainage Monoclines Structure
				. •
			·	
,			e	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

		NOPF USE ONLY
DATE (11-24-72) 6-14-	.73	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATÌON	University of Utah	·

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.	
(Inclúde Band and Product)				DESCRIPTORS
,				
1124 - 17493 - M		}		Low sun angle
	]			Alluvial Fans
				Alluvial Terrace
·	,			Basin & Range
,				Structural Lineaments
		ļ		Snow
			·	Pastures
(				5% Clouds
	}			
·				
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			ļ	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NDPF USE ONLY
DATE (4-15-73) 6-14	-73	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
,	Heimoreitz of Hitch	

PRODUCT ID	FREQUENT	FREQUENTLY USED DESCRIPTORS.		
(include band and product)				DESCRIPTORS
1266 - 17373 - M				Clouds 5-10%
			}	Snow
				Provo
•	,	}		Salt Lake City
,				Croplands
				Uintah Basin
				Uintah Mts.
(	{			Wasatch Mts.
•				
•				
• •				
! !				
			•	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771
301-982-5406

QSFC 37-2 (7/72)

ORGANIZATION \_

(See Instructions on Back)

DATE (3-10-73) 6-	14-73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
OPGANIZATÌON	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			OCOGRIGACIO
(Inclúde band and product)				DESCRIPTORS
•		·		
1230 - 17373 - M				Clouds 40%
				Basin (Uintah)
				Lake (Utah)
	,			Uintah Mts.
, <i>*</i>				Snow
				Valleys
				•
,				
·				
		Í		
		·		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

(/-16-73) 6-15	_73	NDPF LISE ONLY
DATE (4-16-73) 6-15	-/3	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENT	FREQUENTLY USED DESCRIPTORS.		
(Inclúde band and product)				DESCRIPTORS
,				
1267 - 17440-M				Clouds <5%
				Snow
				Alluvial fans
·	,	}		Alluvial flats
,				Croplands
•	}			Residential areas
•				Basin & Range
	1			Lineaments
,				Cliffs
'				Zion Nat'l. Park
				,
		·	}	
. •				
				•
				•
	·			

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

(2.22.50)	44.50	NDPF USE ONLY
DATE (3-15-73) 6	-14~73	D
PRINCIPAL INVESTIGATO	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	•

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		SCRIPTORS.	
(Inclúde band and product)				DESCRIPTORS
,	]			
1235 - 18070 - M				Snow
				Croplands
· ·				City
•				Alluvial fans
•				Reservoirs
				Roads
				Valleys
(				Sierra-Nevada Mts.
•			·	Sequoia and Kings
				Canyon Lands Nat'l Park
		<u>.</u>		
				•
		•		
			}	
		,		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CMECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

(0.10.70)		NOPF USE ONLY
DATE (3-10-73) 6-14-7	/3	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	
OPCANIZATION	University of Utah	

PRODUCT ID				OCCCDIBTODS
(Inclúde band and product)				DESCRIPTORS
1230 - 17382 - M				Snow
				Lake Powell
				Meanders
·	,			Dendrite Drainage
				Lineaments
				Straight Cliffs
,	ĺ			Waterpocket Fold
				The Cockscomb
				Plateau
,				Bryce Nat'l Park
				Henry Mts.
				Valleys
	}			
	·			•
		-		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NOPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

DATE (4-16-73) 6-18	3-73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(inclúde band and product)				DESCRIPTORS	
1267 - 17434 - M				Clouds 1%	
				Snow	
			]	Croplands	
·				Residential area	
•				Flood plain	
				Alluvial Fans	
				Bajada	
<b>(</b>				Lava Flows	
				Fumarole Butte	
•	·			Sevier Lake	
				Lineaments	
				Sand Dunes	
•				Basin and Range	
				Playa	
				•	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

(4 45 70)		NOPF USE ONLY
DATE (4-15-73) 6-15-7	}	D
PRINCIPAL INVESTIGATOR	M. T. Jensen	N
PHINCIPAL INVESTIGATOR		10
GSFC	UN 113	<u> </u>
	University of Heah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		SCRIPTORS.	DESCRIPTORS
(Inclúde band and product)				DESCRIPTORS
,		1		
1266 - 17382 - M				Clouds <10%
				Snow
				Lake Powell
	,			Zion Nat'l Park
,		į		Bryce Nat'l Park
				The Cockcomb
•				Straight Cliffs
(			,	Waterpocket Fold
•				Lineaments
•				Escalante River
				Virgin River
				Cliffs
				Plateau
·				
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

301-982-5406

ORGANIZATION \_

(See Instructions on Back)

DATE(4-15-73) 6-1	573	NDPF USE ONLY
DATE (4-15-73) 0-1		D
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
GSFC	UN 113	<u> </u>
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		PRODUCT ID FREQUENTLY USED DESCRIPTORS		
(Inclúde band and product)				DESCRIPTORS	
,					
1266 - 17370 - M				Clouds <10%	
				Snow	
				Bear Lake	
•	,			Lineaments	
,				Basin	
•				Folding	
				1	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES CODE 563 BLDG 23 ROOM E413 NASA GSFC GREENBELT, MD. 20771

(See Instructions on Back)

		NDPF USE ONLY
DATE (2-8-73) 6-15-7	3	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	·
ORGANIZATION	University of Utah	

PRODUCT ID FREQUENTLY USED DESCRIPTORS*			
			OESCRIPTORS
			Cloud 75%
			Snow
			Lake Tahoe
,		}	Sierra-Nevada Mts.
	: [		
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	}		
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	- RECOURT	PRECUENTLY USED DE	PRECOENTY USED DESCRIPTORS

\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NODE LEE ON Y
<b>NATE</b> (9.0.79) (.1/.79		NDPF USE ONLY
DATE <u>(2-8-73)</u> 6-14-73		D
	M I Iongon	N
PRINCIPAL INVESTIGATOR	ri. D. Jensen	10
GSFC	UN 113	L
G3FC		
ORGANIZATION	University of Utah	
ONGAINIZATION		

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*		CRIPTORS*	0500	
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1200 - 18114 - M				Cloud 95%	
				Lake	
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<sup>•</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES CODE 563 BLDG 23 ROOM E413 NASA GSFC GREENBELT, MD. 20771

301-982-5406

301-9

(See Instructions on Back)

		NDPF USE ONLY
DATE (3-14-73) 6-1	15-73	_ D
PRINCIPAL INVESTIGATOR	M I. Jansan	. N
PHINCIPAL INVESTIGATION	Air B. Jensen	10
GSFC	UN 113	_
ORGANIZATION	University of Utah	·

PRODUCT ID	FREQUENT	LY USED DE:	SCRIPTORS*	
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1234 - 18003 - M				Cloud 80%
				Snow
				Lake
,	,			Basin and Range
,				
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

NDPF USER SERVICES CODE 563 BLDG 23 ROOM E413 NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

DATE (3-14-73) 6-15	-73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ODCANIZATION	University of Utah	

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS.	
(Inclúde band and product)				DESCRIPTORS
,				
1234 - 18000 - M				Clouds 75%
				Snow
				Basin and Range
	,			
;				
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE (4-14-73) 6-15-	73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*				
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS	
,					
1265 - 17314 - M				Clouds 70%	
		1		Snow	
				Flaming Gorge Reservoir	
	,			Uintah Basin	
,			i	oliican basin	
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Beck)

DATE(4-14-73) 6-15	-73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<del>\</del>
ORGANIZATION	University of Utah	

PRODUCT ID	PRODUCT ID FREQUENTLY USED DESCR		SCRIPTORS.	DESCRIPTORS
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1265 - 17312 - M				Clouds 50%
			•	Flaming Gorge Reservoir
•				Basin
	'			Ridge
,				
		Ì		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

			NOPF USE ONLY
DATE (4-16-73) 6-15-7	/3		0
PRINCIPAL INVESTIGATOR	M. L. Jensen	transmitte	N
GSFC	UN 113		
ODCABUZATION	University of Utah		

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		SCRIPTORS.	
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
		Ì		
1267 - 17431 - M				Clouds <5%
		!		Snow
				Cities
	,			Croplands
,		[		Great Salt Lake
	}			Great Salt Lake Desert
	į			Utah Lake
				Salt Flats
				Fish Springs
•	,			Basin and Range
				Wasatch Mts.
,		·		Alluvial Flats
. ,				Alluvial Fans
				Highway
			·	Intrusive lineaments
				ŕ
·				
		-		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES

CODE 563

BLDG 23 ROOM E413

NASA GSFC

GREENBELT, MD. 20771

(See Instructions on Back)

		NDPF USE ONLY
DATE <u>(4-16-73)</u> 6-	15-73	D
	M I Janson	N
PRINCIPAL INVESTIGATOR	n. b. Jensen	10
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FRÉQUENT	LY USED DES	CRIPTORS*	
(Include band and product)				DESCRIPTORS
,				
1267 - 17425 - M				Clouds 50%
			,	Snow
				Great Salt Lake
·				Croplands
				Salt Flats
				City
				Wasatch Mts.
(		,		Alluvial Flats
				Strataforms
•				
`				
• •				
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	1	·		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT, ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

DATE (3-14-73) 6-15-	73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
	University of Utah	

PRODUCT 19	FREQUENT	LY USED DE	SCRIPTORS*	
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1234 - 18012 - M				Clouds 10%
				Snow
				Basin and Range
	,			Sierra- Nevada Mts.
,				Alluvial Fans
				Alluvial Terraces
				Playa Lakes
(				Extrusive Rocks
•				
, , , , , , , , , , , , , , , , , , ,		ļ		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

301-982-5406

GSFC 37-2 (7/72)

(See Instructions on Back)

DATE (3-14-73) 6-18-	73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			
(Inclúde band and product)				OESCRIPTORS
,				
1234 - 18005 - M			·	Clouds 60%
			į	Snow
				Alluvium
•	,			Basin and Range
,				
				,
				·
•				
				i
••				
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE (4-18-73) 6-18-73	3	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT 10	FREQUENTLY USED DESCRIPTORS.			
(Inclúde band and product)				DESCRIPTORS
,				·
1269 - 17551 - M		]		Clouds 50%
			ł	Snow
				Alluvial Fans
	,			Basin and Range
,				Bajada
		į		Lava Flow
		} [		
•				
	·			·
•	:			
				•
			·	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE (4-18-73) 6-18-	73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

		CRIPTORS.		
			DESCRIPTORS	
			Clouds 10%	
			Snow	
			Alluvial Fans	
			Flood Plain	
٠.			Basin and Range	
			Bajada	
			Lava Flows	
			Playas	
			riayas	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
NASA GSFC
GREENBELT, MD. 20771

(See Instructions on Back)

		NOPF USE ONLY
DATE(4-18-73) 6.	-18-73	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	- ID
GSFC	UN 113	_
ORGANIZATION	University of Utah	_

PRODUCT ID	FREQUENTLY USED DESCRIPTORS*			OCCOPINADO.
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
		İ		
1269 - 17542 - M				Clouds 50%
				Snow
		}		Croplands
•	,			Residential Area
,				
(	}			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

•		
(/ 10 72)	. 70	NDPF USE ONLY
DATE <u>(4-18-73)</u> 6-18	3-73	D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
PRINCIPAL INVESTIGATOR _		10
GSFC	UN 113	
,	University of Utah	
000 A MIZATION		

PRODUCT ID	FREQUENT	LY USED DE	SCRIPTORS	
(INCLÚDE BAND AND PRODUCT)				DESCRIPTORS
,				
1269 - 17544 - M				Clouds 50%
				Snow
				Basin and Range
,	,			Playa Lake.
	1			
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

# ERTS IMAGE DESCRIPTOR FORM (See Instructions on Back)

// 17 70) / 15 -	20	NDPF USE ONLY
DATE (4-17-73) 6-15-7	7.3	D
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

1	PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		DECEDIDAODE	
	(Include band and product)			<u> </u>	DESCRIPTORS
	1268 - 17495 - M				Clouds 15%
	· · · · · · · · · · · · · · · · · · ·				Snow
ı					Basin & Range
			į		Alluvial Fans
	,				Alluvial Flats
	, ,				Lineaments
.					Playa Lakes
	•				Croplands '
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\*FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT—ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

HAIL	TO	NDPF USER SERVICES
		CODE 563
		BLDG 23 ROOM E413
		NASA GSFC
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		301-982-5406

GSFC 37-2 (7/72)

(See Instructions on Back)

	_	NOPE USE ONLY
DATE (4-17-73) 6-15-7	3	D
PRINCIPAL INVESTIGATOR	M I. Jensen	P3
PRINCIPAL INVESTIGATOR	111 DE TOURS	10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT 10	FREQUENTLY USED DESCRIPTORS.			
(inclúde band and product)				DESCRIPTORS
1268 - 17490 - M			1	Clouds 50%
				Alluvial Flats
				Salt Lake Desert
	,			Bonneville Salt Flats
,				Basin & Range
				Highway
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	}			

°FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN MEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRIVE THE TERM UNDER THE DESCRIPTORS COLUMN).

> MAIL TO NDPF USER SERVICES CODE 563 BLDG 23 ROOM E413

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·	University of Heah	
GSFC	UN 113	<u> </u>
PRINCIPAL INVESTIGATOR	M. L. Jensen	10
DATE (4-17-73) 6-15-7	3	D

PRODUCT ID	FREQUENT	'LY USED DE	SCRIPTORS*	DCCCD1DYOSC
(INCLUDE BAND AND PRODUCT)				DESCRIPTORS
1268 - 17492 - M				Clouds 40% Snow
				Basin & Range
				Alluvial Flats
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN MEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

		NOPF USE ONLY
DATE (4-17-73) 6-15-7	3	D
Principal investigator	M. L. Jensen	N
GSFC	UN 113	<u></u>
,	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			OCCOUNTINGS
(Inclúde Band and Product)				Descriptors
•				
1268 - 17483 - M		1		Clouds 80%
		1		Great Salt Lake
				Salt Flats
		•		Great Salt Lake Desert
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAN. TO NDPF USER SERVICES
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ORGANIZATION \_\_\_

(See Instructions on Back)

(/ 45 70)	70	NDPF USE ONLY
DATE (4-15-73) 6-14	-/3	D
PRINCIPAL INVESTIGATOR _	M. L. Jensen	10
GSFC	UN 113	
ORGANIZATÌON	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			DESCRIPTORS	
inclúde band and producti		<del> </del>	ļ	OLSCHIT IUNS	
1266 - 17375 - M				Clouds 15%	
				Snow	
				Croplands	
				Lake	
,				Wasatch Plateau	
				Castle Valley	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN MEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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(See Instructions on Back)

DATE (3-13-73) 6-14-	73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATÌON	University of Utah	

PRODUCT ID	PRODUCT ID FREQUENTLY USED DESCRIPTORS.			1	
inclúde band and producti					DESCRIPTORS
,					
1233 - 17551 - M				Clouds	85%
				Snow	·
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Beck)

(0.10.70) (.14.70		NDPF USE ONLY
DATE (3-13-73) 6-14-73		0
Principal investigator	M. L. Jensen	η
GSFC	UN 113	
ORGANIZATÌON	University of Utah	

INCLUDE BAND AND PRODUCT)  DESCRIPTORS  Clouds 85%	PRODUCT ID
	(inclúde band and product)
	, 1233 - 17553 - M
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l l i	

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPF USE ONLY
DATE (3-15-73) 6-14-	73	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT 19	PRODUCT 19 FREQUENTLY USED DESCRIPTORS.		Descriptors	
(inclúde band and product)				DESCRIPTIONS
1235 - 18055 - M			į	Snow
	ļ			Croplands
		ļ		Basin & Range
				Alluvial Fans
•			1	Lineations
				Desert Valley
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NE

NDPF USER SERVICES CODE 563

BLDG 23 ROOM E413

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301-032-5406

(See Instructions on Back)

(0.45.70) (.4.7	10	NDPF LSE ONLY
DATE (3-15-73) 6-14-7		δσ
PRINCIPAL INVESTIGATOR	M. L. Jensen	R
THE HAVE OF THE PART OF THE		10
GSFC	UN 113	
ADA A 1187 A 72 MAG	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			ocnoming and	
(Inclúde band and probuct)				DESCRIPTORS	
· ·		Ì			
1235 - 18061 - M				Snow	
				Basin & Range	
				Croplands	
				Alluvial fans	
,				Alluvial flats	
				Lakes	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO N

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CODE 563

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GREENBELT, MD. 20771

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(See Instructions on Back)

/2 1F 72\		NOPE USE ONLY
DATE (3-15-73) 6-14-73		0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
OBCANIZATION	University of Utah	

Product 10 (Inclúde band and product)	PRODUCT ID FREQUENTLY USED DESCRIPTORS		DESCRIPTORS	
INCLUDE SAND AND PHODES!		<u> </u>	<b></b>	
1				
1235 - 18064 - M		ļ		Snow
				Walker Lake
	ŀ			Basin & Range
				Alluvial fans
,				Lakes
				Reservoir
				Croplands
(				
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		*		

<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK (✓) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NOPF USE ONLY
DATE <u>(3-11-73)</u> 6-14-7	73	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	<u> </u>
ORGANIZATION	University of Utah	

PRODUCT ID			DESCRIPTORS	
(Inclúde band and product)			<b></b>	OLUMNI IONO
1231 - 17431 - M				Clouds 95%
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN MEADING SPACES NOW AND USE A CMECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
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QSFC 37-2 (7/72)

(See Instructions on Back)

DATE (2-8-73) 6-14-7	3	NDPF USE ONLY
Principal investigator _	M. L. Jensen	10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		
include band and product)		DESCRIPTORS	
1200 - 18001 - M		Clouds 95%	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

(0.40.70)	•	NOPF USE ONLY
DATE (3-10-73) 6-14-7	3	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATÌON	University of Utah	

PRODUCT ID	FRÉQUENT	FREQUENTLY USED DESCRIPTORS			
(Include band and product)				Descriptors	
,					
1230 - 17370 - M				Snow	
				Clouds 60%	
				Roads	
·				Streams	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

	••	NDPF USE ONLY
DATE (3-10-73) 6-14-7	/3	0
PRINCIPAL INVESTIGATOR	M. I. Jensen	N
PRINCIPAL INVESTIGATOR		10
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		SCRIPTORS.		
(Inclúde band and product)				DESCRIPTORS	
, 1230 - 17375 - M				Clouds 5%	
				Snow	
				San Rafael Swell	
•				Waterpocket Fold	
,		[		Henry Mts.	
				Capitol Reef Nat'l Monm	
				Croplands	
		[		Roads	
	[ ` [		·	Dunes	
				Reservoirs	
				Lineaments	
	<u> </u>	•		Meanders	
				Buttes	
• (					
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN MEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

DATE (3-9-73) 6-14-	73	NOPF USE ONLY
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	PRODUCT ID FREQUENTLY USED DESCRIPTORS.			
(Inclúde band and product)				DESCRIPTORS
(				
1229 - 17312 - M				Clouds
				Snow
	1			Drainage
•				Roads
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Bact.)

(0 0 70) ( 74 70		NOPF USE ONLY
DATE (3-9-73) 6-14-73	3	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.		SCRIPTORS.	DESCRIPTORS
(Inclúde band and product)				DESCRIPTONS
•				
1229 - 17321 - M				Clouds 50%
	}			San Rafael Swell
				Buttes
	,			Mesas
				Snow
				Dunes
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

(See Instructions on Back)

		NDPF USE ONLY
DATE (3-9-73) 6-14-73		Δ
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
000 A 011 7 A T1 0 A 1	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS		95000107000	
(Include band and product)				DESCRIPTORS
1229 - 17314 - M				Clouds 25%
				Snow
				Fog
				Uintah Basin
	,			Uintah Mtns.
				Valleys
				Roads
				Alluvial Flats
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NDPF USER SERVICES
CODE 563
BLDG 23 ROOM E413
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GSFC 37-2 (7/72)

(See Instructions on Back)

DATE (3-16-73) 6-1	4_73	NOPF USE ONLY
DATE (3-13-73) 0-1	<del>1</del> -73	D
Principal investigator _	M. L. Jensen	N
GSFC	UN 113	
ODCANIZATION	University of Utah	·

PRODUCT ID	PRODUCT ID FREQUENTLY USED DESCRIPTORS.			
inclúde band and product	)			DESCRIPTORS
1006 10100 26				
1236 - 18122 - M				Snow
				Clouds 20%
				Consequent Lakes
•	,			Lake Tahoe
;				Croplands
				Valleys
			·	Mountains
				Lineaments
•				
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO

(See Instructions on Back)

(0.0.70)		NOPE USE ONLY
DATE (3-9-73) 6-14-73	3	0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
PRINCIPAL INVESTIGATOR		10
GSFC	UN 113	
	University of Utch	

Product ID (Inclúde band and product)			DESCRIPTORS	
INCLUDE BAND AND PRODUCT!	<u> </u>	<b> </b>		
1229 - 17323 - M				Clouds 70%
				Snow
	ŀ			Waterpocket Fold
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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ORGANIZATION \_

(See Instructions on Back)

DATE (3-12-73) 6-14	4- 73	NDPF USE ONLY
PRINCIPAL INVESTIGATOR _	M. L. Jensen	N
GSFC	UN 113	
	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS.			0.5000.050003	
(Include band and product)		<b></b>	ļ	DESCRIPTORS	
,					
1232 - 17483 - M		1		Snow	
				Clouds	
				Great Salt Lake	
				Promontory Point	
•				Wasatch Front	
				Salt Flats	
				Croplands	
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CMECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

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ORGANIZATION \_

(See Instructions on Back)

		NOPF USE ONLY
DATE (3-12-73) 6-14-73		0
PRINCIPAL INVESTIGATOR	M. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS					
(Include band and product)				DESCRIPTORS		
1232 - 17490 - M	]	·		Clouds 75%		
				Snow		
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( $\checkmark$ ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).

MAIL TO NOPF USER SERVICES CODE 563

BLDG 23 ROOM E413

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GREENBELT, MD. 20771

301-982-5406

(See Instructions on Back)

DATE (3-13-73)	6-14-73	 NDPF USE ONLY
PRINCIPAL INVESTIGAT	ORM. L. Jensen	N
GSFC	UN 113	
ORGANIZATION	University of Utah	

PRODUCT ID	FREQUENTLY USED DESCRIPTORS					
(Include band and product)				DESCRIPTORS		
(	1					
1233 - 17542 - M				Clouds	75%	
				Snow		
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<b>N</b>						
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<sup>\*</sup>FOR DESCRIPTORS WHICH WILL OCCUR FREQUENTLY, WRITE THE DESCRIPTOR TERMS IN THESE COLUMN HEADING SPACES NOW AND USE A CHECK ( ) MARK IN THE APPROPRIATE PRODUCT ID LINES. (FOR OTHER DESCRIPTORS, WRITE THE TERM UNDER THE DESCRIPTORS COLUMN).